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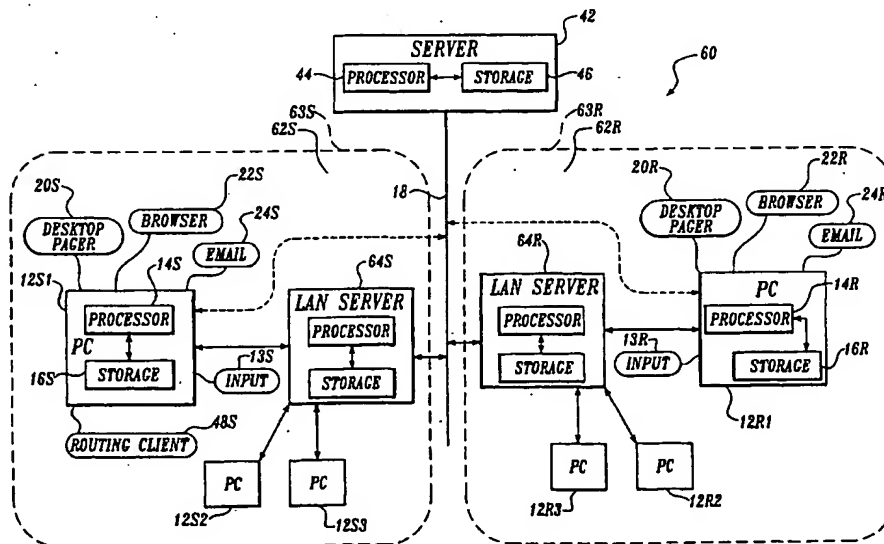
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09/228,249 11 January 1999 (11.01.1999) US
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- (81) Designated States (*national*): AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW.
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- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SERVER AND METHOD FOR ROUTING MESSAGES TO ACHIEVE UNIFIED COMMUNICATIONS



(57) Abstract: A server routes one's incoming messages to his/her communication devices according to his/her routing preferences, and modifies the messages as needed. For example, the server can route an incoming page to one's email account and, if necessary, modify the page so that it is compatible with the email client. Thus, the server enables a number of diverse features such as: selection of routing topology (direct or indirect), translation of network restrictions, conditioning a synchronous communication for reception by an asynchronous device, message encryption, and callback or "buddy list" services.



WO 00/41533 A3

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US 00/00688

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04L12/58

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04L H04M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, IBM-TDB, COMPENDEX, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 661 878 A (AT & T CORP) 5 July 1995 (1995-07-05) column 4, line 34 -column 8, line 29 figures 2-4B	1-13, 15, 27-38, 40
A	---	14, 16, 17, 39, 41
X	US 5 825 865 A (MORGAN DAVID E ET AL) 20 October 1998 (1998-10-20) figures 1, 3-7 column 3, line 33 -column 4, line 12 column 4, line 43 -column 9, line 54	1-13, 15, 27-38, 40
A	---	14, 16, 17, 39, 41
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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E earlier document but published on or after the international filing date

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O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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Date of the actual completion of the international search

26 September 2000

Date of mailing of the international search report

20.10.00

Name and mailing address of the ISA

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INTERNATIONAL SEARCH REPORT

Int. Patent Application No

PCT/US 00/00688

C. (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>ESCHENBURG-A: "WO LAUFEN SIE DENN? ICO HAELT VERBINDUNG ZU BEKANNTEN" CT MAGAZIN FUER COMPUTER TECHNIK, DE, VERLAG HEINZ HEISE GMBH., HANNOVER, no. 22, 26 October 1998 (1998-10-26), pages 92-95, XP000779803 ISSN: 0724-8679 the whole document</p> <p>---</p>	18-22, 42, 43
X	<p>EP 0 539 105 A (AMERICAN TELEPHONE & TELEGRAPH) 28 April 1993 (1993-04-28) abstract</p> <p>---</p>	23-26, 44-48
A	<p>US 5 742 905 A (BROCKMAN JAMES JOSEPH ET AL) 21 April 1998 (1998-04-21) column 23, line 13 -column 24, line 30</p> <p>---</p>	1-17, 27-41
A	<p>US 5 369 686 A (DUTRA ANTONIO ET AL) 29 November 1994 (1994-11-29) abstract</p> <p>---</p>	1-17, 27-41
A	<p>SCHULZRINNE H ET AL: "Signaling for Internet telephony" PROCEEDINGS SIXTH INTERNATIONAL CONFERENCE ON NETWORK PROTOCOLS (CAT. NO. 98TB100256), PROCEEDINGS SIXTH INTERNATIONAL CONFERENCE ON NETWORK PROTOCOLS, AUSTIN, TX, USA, 13-16 OCT. 1998, pages 298-307, XP002139514 1998, Los Alamitos, CA, USA, IEEE Comput. Soc, USA ISBN: 0-8186-8988-9 page 301, left-hand column, paragraph 2 -page 302, left-hand column, paragraph 2</p> <p>-----</p>	1-17, 27-41

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 00/00688

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☒ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☒ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-17,27-41

A server and a method for facilitating communication between a sending device and a receiving device, comprising routing of messages between said sending device and receiving device according to a message routing preference.

2. Claims: 18-22,42,43

A server and a method comprising storing on the server a log-on status for a client.

3. Claims: 23-26,44-48

A server and a method for receiving a callback request from a first client and providing the callback request to the second client.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 00/00688

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 0661878	A	05-07-1995	AU 8167794 A	06-07-1995
			BR 9405257 A	19-09-1995
			CA 2136040 A	30-06-1995
			CN 1126915 A	17-07-1996
			JP 7212746 A	11-08-1995
			NZ 270276 A	29-01-1997
			SG 45173 A	16-01-1998
US 5825865	A	20-10-1998	DE 69225214 D	28-05-1998
			DE 69225214 T	08-10-1998
			EP 0560965 A	22-09-1993
			JP 6503694 T	21-04-1994
			WO 9307566 A	15-04-1993
EP 0539105	A	28-04-1993	US 5311574 A	10-05-1994
			CA 2069574 A,C	24-04-1993
			DE 69227973 D	04-02-1999
			DE 69227973 T	08-07-1999
			JP 2686029 B	08-12-1997
			JP 7007555 A	10-01-1995
			MX 9205998 A	01-05-1993
US 5742905	A	21-04-1998	CA 2199802 A	28-03-1996
			EP 0782805 A	09-07-1997
			JP 9511884 T	25-11-1997
			WO 9609714 A	28-03-1996
			US 5742668 A	21-04-1998
US 5369686	A	29-11-1994	NONE	